

ABSTRACT

A suspension system 10 for a vehicle for suspending a wheel 1 is disclosed. An outer rotor type 5 motor 20 is provided within the wheel 1. The motor 20 has a stator (28, 30) provided on an outer surface of a cylindrical member 24 that defines space 70 open to at least an inboard side of the vehicle, and a rotor (22,26) rotatably supported by the cylindrical member 24. The 10 wheel 1 receives the motor 20 and is connected to the rotor (22,26). The mounting portions of suspension arms (50,52,54) are provided on an inner surface of the cylindrical member 24.